

Docket No. C14-134438M/YAH

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Takayama et al.

Serial No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filing Date: Concurrently Herewith

Examiner: Unknown

For: HIGH-SPEED ROAMING METHOD OF WIRELESS LAN

Assistant Commissioner of Patents

Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Sir:

Prior to examination on the merits and calculation of the filing fee, please amend the above-identified application as follows:

**IN THE CLAIMS:**

4. (Amended) The high speed roaming method of a wireless LAN according to claim 1, wherein

when said mobile terminal is connected to said access point having a best radio situation, said mobile terminal is connected subsequently to said access point having a second best radio situation.

5. (Amended) The high-speed roaming method of a wireless LAN according to claim 1, wherein

when said mobile terminal is not connected to all neighboring access points, said mobile terminal is connected to said access point having a good communication situation by

scanning all frequency channels.

6. (Amended) The high-speed roaming method of a wireless LAN according to claim 1, wherein

said mobile terminal is connected to said access point having a best communication situation, by scanning all connectable access points out of said access points provided in the network at a rising time.

Please add the following new claims:

--7. (New) The high speed roaming method of a wireless LAN according to claim 2, wherein when said mobile terminal is connected to said access point having a best radio situation, said mobile terminal is connected subsequently to said access point having a second best radio situation.--

--8. (New) The high speed roaming method of a wireless LAN according to claim 3, wherein when said mobile terminal is connected to said access point having a best radio situation, said mobile terminal is connected subsequently to said access point having a second best radio situation.--

--9. (New) The high-speed roaming method of a wireless LAN according to claim 2, wherein when said mobile terminal is not connected to all neighboring access points, said mobile terminal is connected to said access point having a good communication situation by scanning all frequency channels.

--10. (New) The high-speed roaming method of a wireless LAN according to claim 3, wherein  
when said mobile terminal is not connected to all neighboring access points, said  
mobile terminal is connected to said access point having a good communication situation by  
scanning all frequency channels.--

--11. (New) The high-speed roaming method of a wireless LAN according to claim 4, wherein  
when said mobile terminal is not connected to all neighboring access points, said  
mobile terminal is connected to said access point having a good communication situation by  
scanning all frequency channels.--

--12. (New) The high-speed roaming method of a wireless LAN according to claim 2, wherein  
said mobile terminal is connected to said access point having a best communication  
situation, by scanning all connectable access points out of said access points provided in the  
network at a rising time.--

--13. (New) The high-speed roaming method of a wireless LAN according to claim 3, wherein  
said mobile terminal is connected to said access point having a best communication  
situation, by scanning all connectable access points out of said access points provided in the  
network at a rising time.--

--14. (New) The high-speed roaming method of a wireless LAN according to claim 4, wherein  
said mobile terminal is connected to said access point having a best communication  
situation, by scanning all connectable access points out of said access points provided in the

network at a rising time.--

--15. (New) The high-speed roaming method of a wireless LAN according to claim 5, wherein  
said mobile terminal is connected to said access point having a best communication  
situation, by scanning all connectable access points out of said access points provided in the  
network at a rising time.--

--16. (New) The high-speed roaming method of a wireless LAN according to claim 7, wherein  
said mobile terminal is connected to said access point having a best communication  
situation, by scanning all connectable access points out of said access points provided in the  
network at a rising time.--

--17. (New) The high-speed roaming method of a wireless LAN according to claim 8, wherein  
said mobile terminal is connected to said access point having a best communication  
situation, by scanning all connectable access points out of said access points provided in the  
network at a rising time.--

--18. (New) The high-speed roaming method of a wireless LAN according to claim 9, wherein  
said mobile terminal is connected to said access point having a best communication  
situation, by scanning all connectable access points out of said access points provided in the  
network at a rising time.--

--19. (New) The high-speed roaming method of a wireless LAN according to claim 10,

wherein

said mobile terminal is connected to said access point having a best communication situation, by scanning all connectable access points out of said access points provided in the network at a rising time.--

--20. (New) The high-speed roaming method of a wireless LAN according to claim 11,

wherein

said mobile terminal is connected to said access point having a best communication situation, by scanning all connectable access points out of said access points provided in the network at a rising time.--

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**REMARKS**

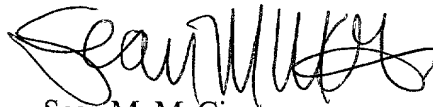
Claims 4, 5 and 6 have been amended to delete multiple dependency and claims 7-20 have been added accordingly.

Attached hereto is a marked-up version of the changes made to the claims by the current preliminary amendment. The attached pages are captioned "**Version with Markings to show changes made.**"

Early, favorable prosecution on the merits is respectfully requested.

Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 50-0481.

Respectfully submitted,



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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**In the claims:**

4. (Amended) The high speed roaming method of a wireless LAN according to [any one of] claim[s] 1 [to 3], wherein

when said mobile terminal is connected to said access point having a best radio situation, [such] said mobile terminal is connected subsequently to said access point having a second best radio situation.

5. (Amended) The high-speed roaming method of a wireless LAN according to [any one of] claim[s] 1 [to 4], wherein

when said mobile terminal is not connected to all neighboring access points, [such] said mobile terminal is connected to said access point having a good communication situation by scanning all frequency channels.

6. (Amended) The high-speed roaming method of a wireless LAN according to [any one of] claim[s] 1 [to 5], wherein

said mobile terminal is connected to said access point having a best communication situation, by scanning all connectable access points out of said access points provided in the network at a rising time.